## 

ABSTRACT OF THE DISCLOSURE

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A decision-support system for providing a clinician with real-time patient data specific to each patient that the clinician is to examine in a defined time period. The system including a decision-support module that is configured to generate decision-supported patient data that is specific to each patient that a clinician is to examine in a defined time period. The decision-support module including an inference engine that communicates with a knowledge module and a patient module to generate the decision-supported patient data. In real-time communication with the decision-support module is a user module that is adapted to present the decision-supported patient data in real-time to the clinician in a configuration that assists the clinician in treating each patient. The user module further allowing the clinician to changes elements of the decision-supported patient data and receive new recommendations and medical care suggestions in real-time from the decision-support module.

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